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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/836,705

DATE: 05/31/2002  
TIME: 11:45:27

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3 <110> APPLICANT: Abe, Yuki  
 4 Ono, Chiho  
 5 Yoshikawa, Hiroji  
 7 <120> TITLE OF INVENTION: Genes from a Gene Cluster  
 9 <130> FILE REFERENCE: 01149/HG  
 11 <140> CURRENT APPLICATION NUMBER: US 09/836,705  
 C--> 12 <141> CURRENT FILING DATE: 2002-05-31  
 14 <150> PRIOR APPLICATION NUMBER: JP 2000-116591  
 15 <151> PRIOR FILING DATE: 2000-04-18  
 17 <150> PRIOR APPLICATION NUMBER: JP 2000-117458  
 18 <151> PRIOR FILING DATE: 2000-04-19  
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394	aaaccgcgtt gatcctcctg cagcaagtat gcaaagggtg cggtcggtc cccgggggtga	10980
396	gtgccatcg ggctgtaaaa tgtatcgacg tcaaattctt ccttagggat cttgtctgt	11040
398	acatcccggg gctcttggag cagctcccaa agtttgcgtt gttgttgc accacctggta	11100
400	aaccgacaac cgctttccac taccacaatt ggctcggtt gatagttggc ttgatccata	11160
402	actgctgatc ctgttttgg gcgataggat tggattaaa cttgtcttgc cgtcagtatgaa	11220
404	tcttcact gcatggcggg cacaacattt gtttttacag aatcgacag ttgatctct	11280
406	gagcgaacaa gccggccttgc caaccgatac cgtcgttata ttacttgc cgtatcgat	11340
408	ctcatctaga ttggacaat ttcagatcc attctagttac tcaaattcccc ccacttccca	11400
410	gcaatgcgaag ctggcacct agcaaaccct cccggcgta ttgggtgcac gaatagccat	11460
412	tcctccatac ggcgttattt gtcacacaga ggctgtatga atcaaaccgtt aatatcaatt	11520
414	ggctgtatca aggtgaaacc gagtttttca ctgcgttgcgtt ttttgcgttgc ctcgggtgaag	11580
416	ctgctcttaa agggaaacaac cgaactgccc catccaggta aacttcgatt ggggggggggg	11640
418	tttttttttt ttcaagggtt actggaaagag tgcttcggc cacaatcc cagaaggcatt	11700
420	agtgcgttta ttggattata aaccgtcgca gcgcctctat ttttgcgttgc ttttgcgttgc	11760
422	ccactgggtt gcatagggttcc tatctgtctc acgcaatgtt cggccagggtt ctttgcgttgc	11820
424	tcaatcgta ccaatggta tggacccttc aagccctgtt ggcggcgca gtgtttctta	11880
426	gtctcatcg ctaccgtttt cggggggcgcc agtccgaact gcaagtctat aatccaaaa	11940
428	aatggggaa gttgacgacc atgagggtcta ggcaggactt cgatacgtat ggtccgagct	12000
430	ggatcgaaag ttgggttctcg aaaaacgaca agccctgtt ctttgcgttgc gtttgcgttgc	12060
432	attgcaccat cctccatcg tccatggcc acgagttcg gaaaatcaaa gatatgtgca	12120
434	tgtacaaggat ttggcggtt gtatgaccc tgaattttcc attgttgcattt ctcaatgacg	12180
436	tctctaaatgt tctgtatgtat gtataggact ttcaactctca ttttgcgttgc ttggacgggt	12240
438	tcaaggaaat ctggcaggat gcacatcttgc tcaacaaatgt ttttgcgttgc cagttacaaa	12300
440	cccaagcccc caagtacaca aagccattgg ctacccgttgc cgacgttactt attgccaatgt	12360
442	tgttcgtttaa aaggcgagggtt aagtgtcaat ttgggttgcgttgc ttttgcgttgc gtttgcgttgc	12420
444	gacataccgc gaatatacta ggttggcaaa ccgcacccgttgc ttttgcgttgc gtttgcgttgc	12480
446	ttgtcacacg aacagtacaca ctcattatgg tcggcgacaa aatctgcac aatgaggagt	12540
448	ggctggatat tgcaaaagaaac catggcgta gtgtggcggt acaagctcgcc caacttcgc	12600
450	tatggcccat gctactgcga ccgtcgctc actgggttca accgcaagga cgcaaatgtc	12660
452	gtgaccaatgt ggcggcgca cggaaatgtca ttgttgcgttgc gtttgcgttgc gtttgcgttgc	12720
454	aaaaggccgc atgtgtacgtt aagggtcgatc agccggccca gtacgtcgat accatgtcaat	12780
456	ggtttgaaga caccggcgac ggccgtgtt acgtgttgc ggggtgttgc ttttgcgttgc	12840
458	atttcggccgg catctacgc tggacggatc ttgggttgcgttgc ttttgcgttgc gtttgcgttgc	12900
460	ggcaccggca ctttatttgcgttgc ttttgcgttgc aagagatccg cactgtatc ggagaagggg	12960
462	gttggacggcc ttttgcgttgc ttttgcgttgc agtgggttgcgttgc ttttgcgttgc	13020
464	agcgaatcaa gccggcgatc tggccacta tggccacta tggccacta tggccacta tggccacta	13080
466	tatccaaatgg ctttgcgttgc ttttgcgttgc aatgttgcgttgc ttttgcgttgc gtttgcgttgc	13140
468	acaaccctgtt ttttgcgttgc ttttgcgttgc aatgttgcgttgc ttttgcgttgc gtttgcgttgc	13200
470	gcgaggatcc agacaaggcc ttttgcgttgc ttttgcgttgc aatgttgcgttgc ttttgcgttgc	13260

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 05/31/2002  
PATENT APPLICATION: US/09/836,705                    TIME: 11:45:28

Input Set : A:\01149.app  
Output Set: N:\CRF3\05312002\I836705.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 6,9

Seq#:4; N Pos. 3,6,8,15